ATEN Technology, Inc.
www.aten-usa.com

# 40 Port 5-User (1-Local, 4-Remote) CAT5 IP KVM w/ Virtual Media - TAA Compliance KN4140v

The new generation of KVM over the NET switches allow local and remote operators to monitor and access the entire enterprise data center over the Internet using a web-based browser. In addition, they offer out-of-band access – including external modem support – for BIOS-level troubleshooting when the network is down.

These switches have been designed with unique and powerful features for that enable administrators to manage their entire server room and data center devices easily and conveniently from just about anywhere in the world.

A special Message Board feature – which like an internet chat program – lets any number of remotely logged in users exchange information and communicate with each other or to cooperatively manage the installation.

A Panel Array Mode- allows real-time monitoring of up to 40 servers at once.

Other features that contribute to the switches' powerful capabilities include: Mouse DynaSync, Adapter ID, and Virtual Media support.

The Virtual Media function lets you map USB storage media (including DVD/CD drives), and image files to a remote server – allowing administrators to conduct file transfers, install applications and OS patches, and perform diagnostics remotely with ease.

With their dual on-board NICs and dual power supplies, these switches have been built for 24/7 reliability to ensure the highest rate of availability for your server room and data center services .The switch design also features Green IT solutions that include four temperature sensors to regulate up to six fans – making sure they are always running at optimum speed – throttling down and speeding up depending on the room temperature, reducing data center IT operation costs through a more efficient use of energy.

Now, using Altusen KVM Over the NET switches, IT administrators can manage their server rooms and data centers from practically anywhere – minimizing travel costs and MTTR (Mean Time to Repair) – and ensuring the highest availability of data center services possible.

Distributor Part NO. : Contact Aten for part number @ 949.428.1111

## Features:

- High port density – RJ-45 connectors for up to 40 ports in a 1U housing
- Four separate buses for remote KVM over IP access
- Two 10/100/1000 Mbps NICs for redundant LAN or two IP operation
- Supports PS/2, USB, Sun Legacy (13W3) and serial (RS-232) connectivity
- Local console provides PS/2 and USB keyboard and mouse support
- Supports multiplatform server environments: Windows, Mac, Sun, Linux and VT100 based serial devices
- Audio enabled
- Virtual Media Support
- Dual Power Supply

- High video resolution – up to 1600 x 1200 @ 60Hz – 32 bit color depth for the local console; up to 1600 x 1200 @ 60Hz with 24 bit color depth for remote sessions, at up to 50 m
- Monitor and control up to 40 computers on a single level, or control up to 640 computers in a two-level cascade*

## Requirements:

Remote Console Computers:

- For best results we recommend that the computersÂ  used to access the switch have at least a P III 1 GHz processor, with their screen resolution set to 1024 x 768.
- Browsers must support 128-bit SSL encryption.
- For best results, a network transfer speed of at least 512kbps is recommended.
- For the Windows Client AP, DirectX 8 must be present
- For the browser-based Java Applet and Java Client AP, the latest version of Sun's Java Runtime Environment (JRE) must be installed.

Servers:

The following equipment must be installed on the severs that connect to the KVM ports:

- AÂ Â  VGA, SVGA or Multisync port
- AÂ  Type A USB port and USB host controller or PS/2Â  6-pin mini-DIN keyboard and mouse ports

## Package Content:

- 1 KN4140v
- 2 SA0142 Serial Adapters (RJ45-F to DB9-M; DTE to DCE)
- 2 Power Cords
- 1 5-in-1 Console Cable
- 1 Grounding wire
- 1 Rack Mounting Kit
- 1 User Manual

## Specification :

| | |
|---|---|
| Connectors (Console) | 1 x SPHD-18 Female |
| Connectors (Computer) | 40 x RJ-45 Female |
| Connectors | |
| LAN | 2 x RJ-45 Female |
| Modem | 1 RJ-45 Female |
| USB | 3 x USB Type A Female |
| PON | 1 x RJ-45 Female |
| Power | |
| Switches | |

| | |
|---|---|
| Reset | 1 X Semi-recessed Push Button |
| Power | 2 X Rocker Switch |
| Port Selection | 2 x Push Button |
| LEDs | |
| On Line | 40 - Green |
| Selected | 40 - Red |
| Power On | 1 Blue |
| Link | 2 (Red / Red + Green /Green) |
| Power Input Rating | |
| Per AC Power Inlet, 50/60Hz | 100 - 230 VAC 50 - 60 Hz |
| Power Consumption | 54 W : 184 BTU/h |
| Environment | |
| Operation Temperature | 32F~122F (0C~50C) |
| Storage Temperature | -4F~140F (-20C ~ +60C) |
| Humidity | 0 - 80% RH |
| Network Protocol | 10Base-T, 100Base-T, 1000Base-T, Auto-Sense, TCP, IP, HTTP, HTTPS, DNS, DHCP, PPP, UDP, ARP, ICMP, SMTP, RADIUS, LDAP, LDAPS |
| Unit Dimensions | |
| Width | 17.1 in. |
| Height | 1.7 in. |
| Depth | 16.3 in. |
| Unit Package Dimensions | |
| Width | 22.00 in. |
| Height | 6.5 in. |
| Depth | 21.75 in. |
| Weight | |
| Unit Wt. | 13.49 lbs. |
| Physical Properties | |
| Case Qty | 1 |